SPRING REPORTING FORM

Date Inventoried:_____

Location:

Latitude: ____° ____' _____"N

Longitude: ____° ____' _____"W

County: _____

Horiz. Datum (circle): Nad 83, Nad 27
Most GPS units use WGS 84 datum which is equivalent to NAD 83,
USGS topo quads are either NAD27 or NAD 83 found on lower left corner of map.

Lat/Long Source (circle): GPS, PPGPS, Topo*

***If Topo-map only, please attach a legible copy to form.**

Spring Name:

Spring Name: _____

Owner Name / Contact: _____

Comment: _____

Setting:

Circle one that most applies -

Topography: Hill-Top / Hill-Side / Flat / Upland Draw / Sinkhole / Stream Channel

Number of Openings: 1 / 2 / 3 / 3+ / Seepage Concentration

Water Use:

Unknown / Domestic / Community / Industrial / Irrigation / Mining / Livestock / Animal Specialties /
Other: _____

Modifications:

None / Pipe / Spring House / Pond / Concrete Basin / Other: _____

Discharge:

Estimated Flow (GPM): 0-10 / 10-100 / 100-1000 / 1000+ / Unknown
Small Medium Large

Data Collector:

Name: _____ Agency: _____ Phone: _____

FAX/EMAIL/MAIL FORM TO: Joel Maynard, Department of Environmental Quality, PO Box 3000, Harrisonburg, VA 22802 Phone: (540) 574-7864 Fax: (540)574-7878 Email: jpmaynard@deq.virginia.gov

Directions for Form Use

DEQ's Office of Ground Water Characterization (OGWC) is committed to a long-term project of assembling a statewide database of spring locations, morphology, discharge, and water quality parameters. We have tried to design a form that can be easily used by field personnel of several agencies with varying levels of experience in hydrology. The form will be used to prioritize and stream-line field visits by OGWC staff during which more detailed discharge information and water quality parameters will be collected. Your assistance is greatly appreciated.

Please complete the form with as much information as you can. If you don't know what particular parameter to circle, leave it blank. If you don't know what the spring is named or who the owner is, mark it "Unknown". **The most important information on this form is an accurate location, date, and as good an estimate of discharge (water flow) as possible. If you have any photos, please attach.**

A **spring** is a point where ground water flows out of the ground. Any natural surface discharge of water large enough to flow in a small rivulet can be called a spring and is should be inventoried. Discharge smaller than this is called surface seepage and is not of interest to OGWC.

Latitude and Longitude: On this form Latitude are in DMS form, or Degrees Minutes and Seconds. Some GPS units report Lat/Long in DD or decimal degrees. Check your manual to learn how to switch the display to DMS, or write the Lat/Long in decimal degree form and we will do the conversion for you.

Horiz. Datum: The horizontal datum is a base reference for a coordinate system. WGS84 is the default standard datum for coordinates stored in recreational and commercial GPS units and is almost identical to the NAD83 datum used in North America. If you are using a GPS unit to get Lat/Long, then circle NAD 83. To determine if your USGS topographic quadrangles is either NAD27 or NAD83, check the bottom left-hand corner of the map.

Lat/Long Source: Circle GPS if you are using a standard or sportsman-grade Global Positioning System. Most sportsman-grade GPSs are accurate to approximately 30 feet. Circle PPGPS if you are Post-Processing your GPS data to correct for inaccuracies inherent in sportsman-grade systems. Most PPGPS data is accurate to several inches to a few feet. If you are using a topo-map, please attach an annotated copy of the map to the back of the form with the name of topographic quadrangle indicated. The name of the topographic quadrangle is located on the lower right-hand corner of USGS topographic quadrangles.

Topography, Water Use, Modifications: Pick the description that is the most appropriate. If in doubt, skip it.

Number of Openings: Does the water flow from 1, 2 or more than 3 distinct openings? Or does a concentration of water flow from a seepage face? If unsure, skip it.

Discharge: Estimating the water flowing from a spring is extremely unreliable and inaccurate. OGWC is using this field as a ranking mechanism only. Springs with higher estimated discharges will be prioritized for field verification.

This form as well as any questions or comments can be mailed, e-mailed, or faxed to:

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